

Beyond the \$1,000 pencil

The Transformational 6

# **The Transformational 6**

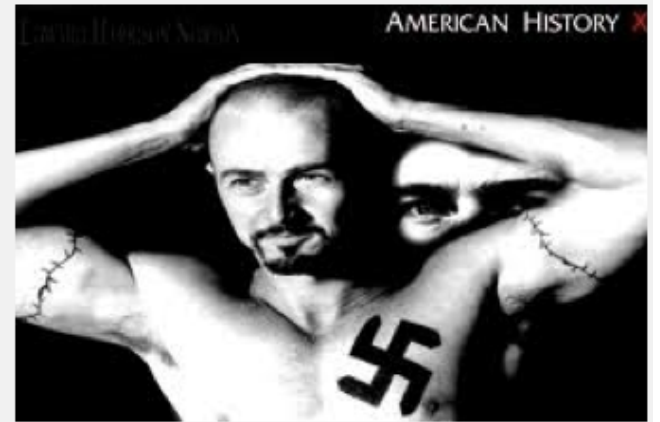
- 1. Capacity for Critical Thinking?**
- 2. New Lines of Enquiry?**
- 3. Authentic Conversations?**
- 4. Students to publish – With feedback?**
- 5. Contribution or Purposeful Work?**
- 6. Best in the World?**

# Critical Thinkers



BBC – “Grew”  
Wikipedia – “Implanted”

“Google is broken  
today!”



site:gov, site:edu  
US History

# Search Design

*“American Hostage Crisis”*

= student response

*“Conquest of American Spy Den”*

= teacher added value

# Critical Thinking/Web

Grammar/Syntax  
Enquiry Design

Grammar/Syntax

Search Tool

Country Code

Google Operators

Wolframalpha Commands

Twitter Hashtags

# Design of the Search?



site:is endangered plant species

## ***Species at Risk Act***

Action Plan Series

### **Green-scaled Willow**





## 2. New lines of enquiry?

Which plants will go first with climate change in our neighborhood?

Which plants will have the least amount of environmental impact?

Which plants will take out the most CO<sub>2</sub>?

Where did our plants originate?

How many are invasive species?

# 3. Authentic Conversations?

Mystery Skype mystery leaf

Students and teachers in Iceland, Canada, Australia, New Zealand, South Africa, Mexico etc.

Natural History Museums

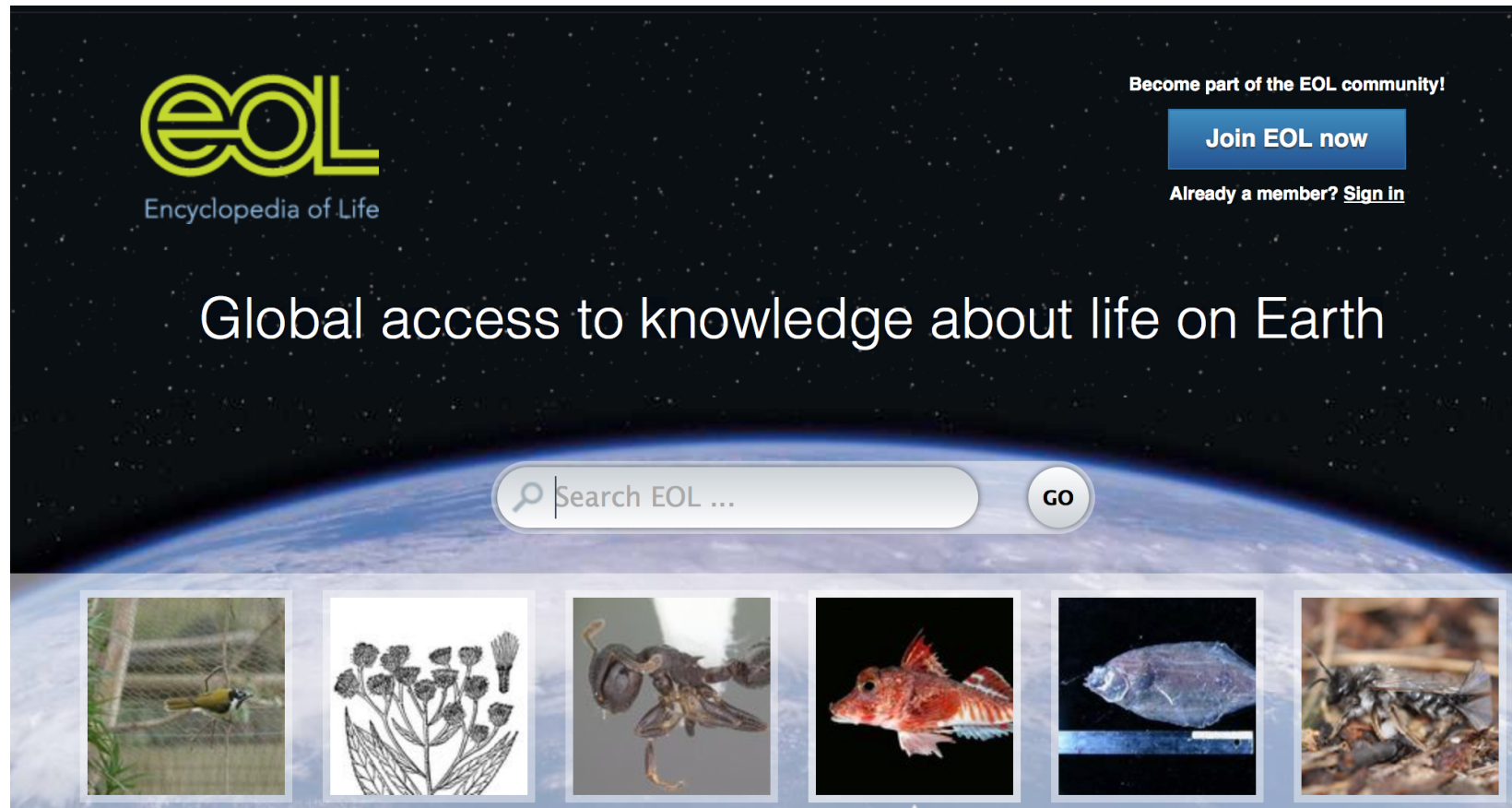
Natural Resource Managers

## **4. Students to publish – with feedback?**

Youtube Channel

Twitter #'s for Climate Change

## 5. Best in the world?



The screenshot shows the homepage of the Encyclopedia of Life (EOL). The background is a dark space with a view of Earth's horizon. In the top left, the EOL logo is displayed in green, with the text "Encyclopedia of Life" below it. In the top right, there is a call to action: "Become part of the EOL community!" followed by a blue button labeled "Join EOL now" and a link "Already a member? [Sign in](#)". The main heading in the center reads "Global access to knowledge about life on Earth". Below this is a search bar with a magnifying glass icon, the text "Search EOL ...", and a "GO" button. At the bottom, there is a horizontal row of six small images: a green bird, a botanical illustration of a plant, a close-up of an ant, a red fish, a translucent insect, and a wasp.

**eol**  
Encyclopedia of Life

Become part of the EOL community!  
[Join EOL now](#)  
Already a member? [Sign in](#)

Global access to knowledge about life on Earth

Search EOL ... [GO](#)

Images: A green bird, a botanical illustration, an ant, a red fish, a translucent insect, and a wasp.

## 6. Contribution or purposeful work?

Google Map of a baseline of species....

.org: “Anyone can be involved and make meaningful contributions. It simply takes a desire to learn and a willingness to get involved in a project.”

Presentation to Conservation Department about what trees should be planted for water and CO2...

### 10 Carbon-Storing Trees

*How can I make a difference in the global environment? What is the best “technology” to capture CO<sub>2</sub>, if you please?*

By ROBIN JACOBS

Posted JAN 29, 2014



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